



**ST JOSEPH'S INSTITUTION  
END-OF-YEAR EXAMINATION 2019  
YEAR 1**

CANDIDATE  
NAME

CLASS

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INDEX  
NUMBER

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**GEOGRAPHY**

**3 October 2019**

Additional Materials : Topographic Map, Writing Paper

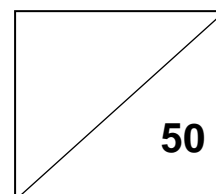
**1 hour 45 minutes  
(0800 – 0945)**

**READ THESE INSTRUCTIONS FIRST**

Write your class, index number and name on all the work you hand in.  
Write in dark blue or black pen on both sides of the paper.  
You may use a soft pencil for any diagrams.  
Do not use staples, paper clips, glue or correction fluid.

Answer **ALL** questions.

Start **ALL Sections** on a new sheet of **Writing Paper**.



The number of marks is given in brackets [ ] at the heading of each section.

This document consists of **10** printed pages including this cover page.

**[Turn Over]**

**SECTION A: (10 marks)**  
**Topographic Map Reading**

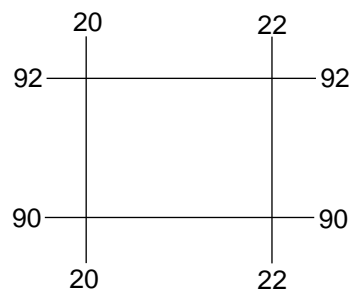
Answer **ALL** questions.

Write your answers on the **Writing Paper** provided.

1. Study the section of map extract of Bindura, Zimbabwe.

(a) Identify a physical feature found in grid square 1789. [1]

(b) State TWO human features in the section of the map shown below. [2]



(c) Locate the grid square with Duiker Flat, northwest of Bindura Town. [1]

(d) Give the 6-figure grid reference of the trigonometrical station of Danga, southwest of Bindura Town. [1]

(e) You just arrived at Bindura Town's train station (218858) to take part in a friendly soccer match at the Sports Field (185829) in a nearby town.

(i) State the direction of the Sports Field (185829) from the train station (218858). [1]

(ii) What is the straight-line distance of the Sports Field from the train station? [1]

(f) State TWO jobs in which people living in Bindura Town are employed as. Provide map evidence to support your answer. [2]

(g) Suggest ONE reason why the southeastern part of the map has lots of cultivation. [1]

**SECTION B: (32 marks)**

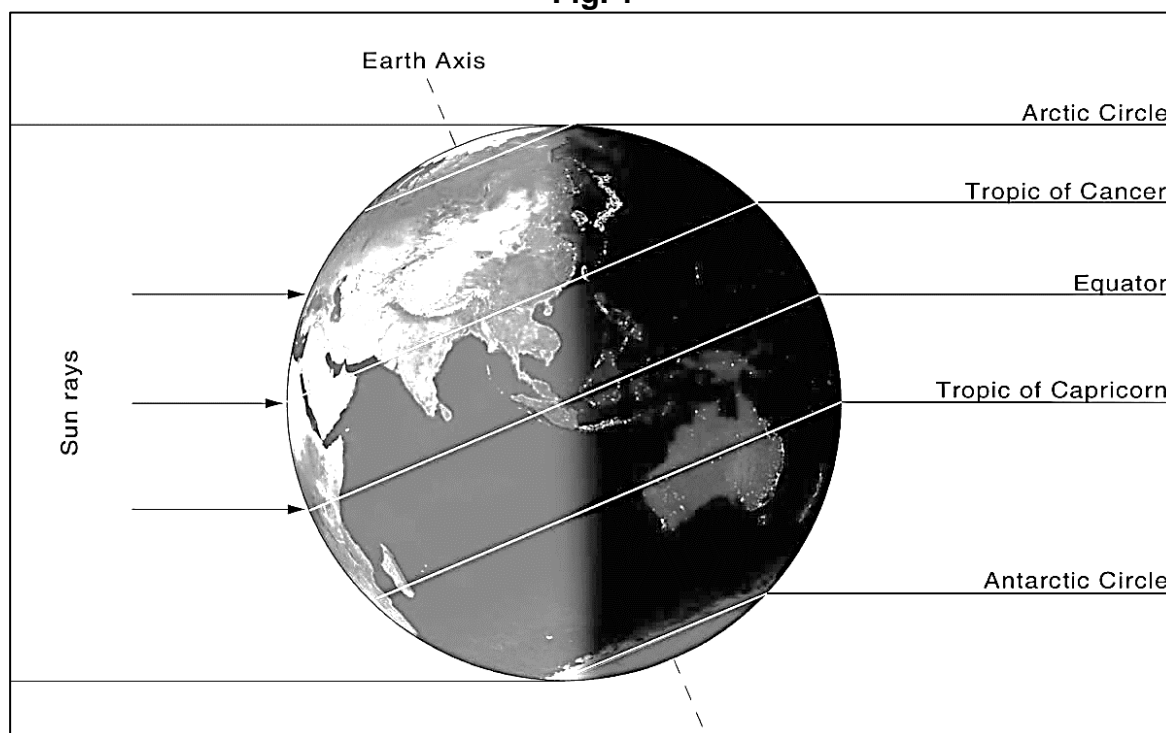
**Data-response Questions (4 x 8 marks)**

Answer **ALL** questions.

Write your answers on a new sheet of **Writing Paper**.

2. Figure 1 shows the Earth's position in relation to the Sun.

**Fig. 1**

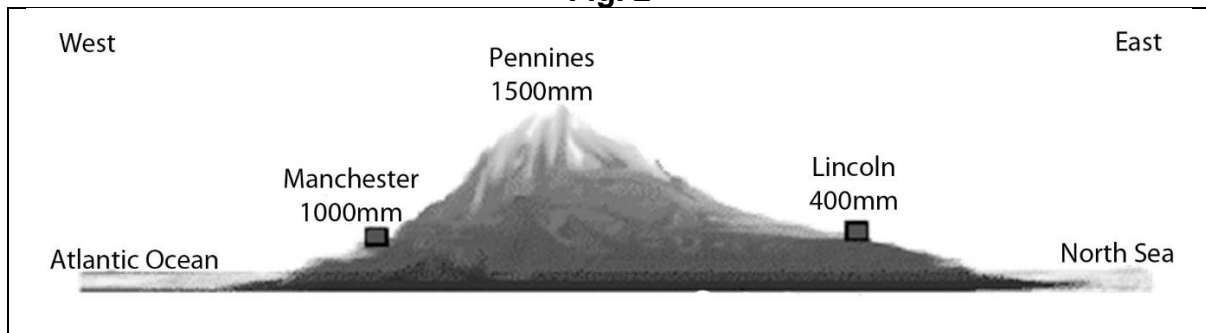


Source: <http://www.vox.com>

- (a) Study **Fig. 1** and identify the big idea shown. [1]
- (b) Explain the significance of the Tropic of Cancer in the formation of the summer season. [3]
- (c) (i) Study **Fig. 1** and state the length of daylight a person will be experiencing at this time of the year at [2]  
A. Equator  
B. North Pole
- (ii) Use **Fig. 1** and explain season would Australia be experiencing and why. [2]

- 3.(a) Figure 2 shows three locations – Manchester, Pennines and Lincoln, along a range of mountains and hills in England.

**Fig. 2**

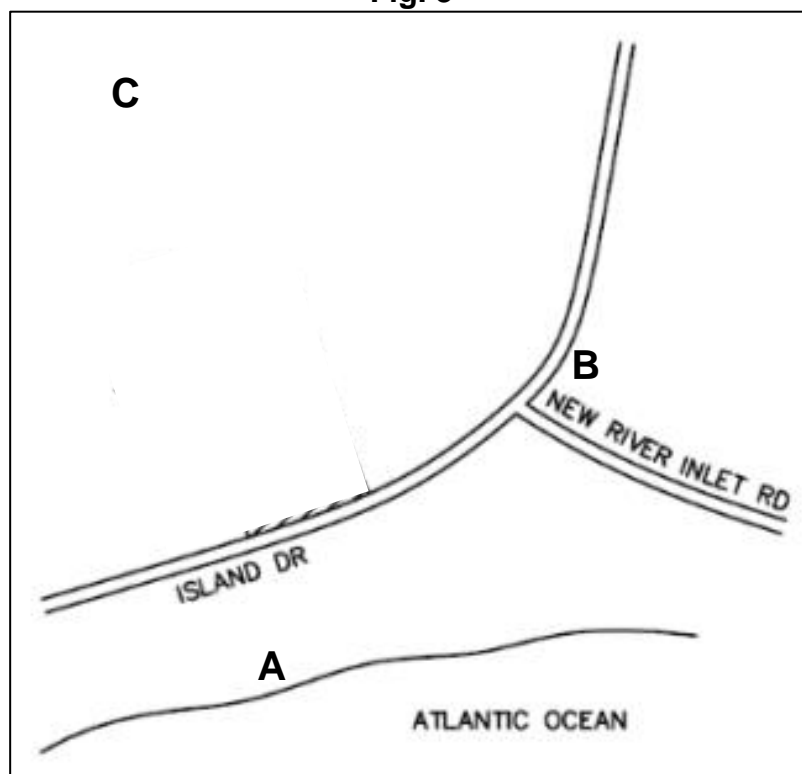


Source: <http://www.coolgeography.co.uk/GCSE/Year11/Weather,Climate/>

Use **Fig. 2** to explain the differences in the amount of precipitation between Manchester, Pennines and Lincoln. [4]

- (b) Figure 3 shows an area near Atlantic Ocean.

**Fig. 3**

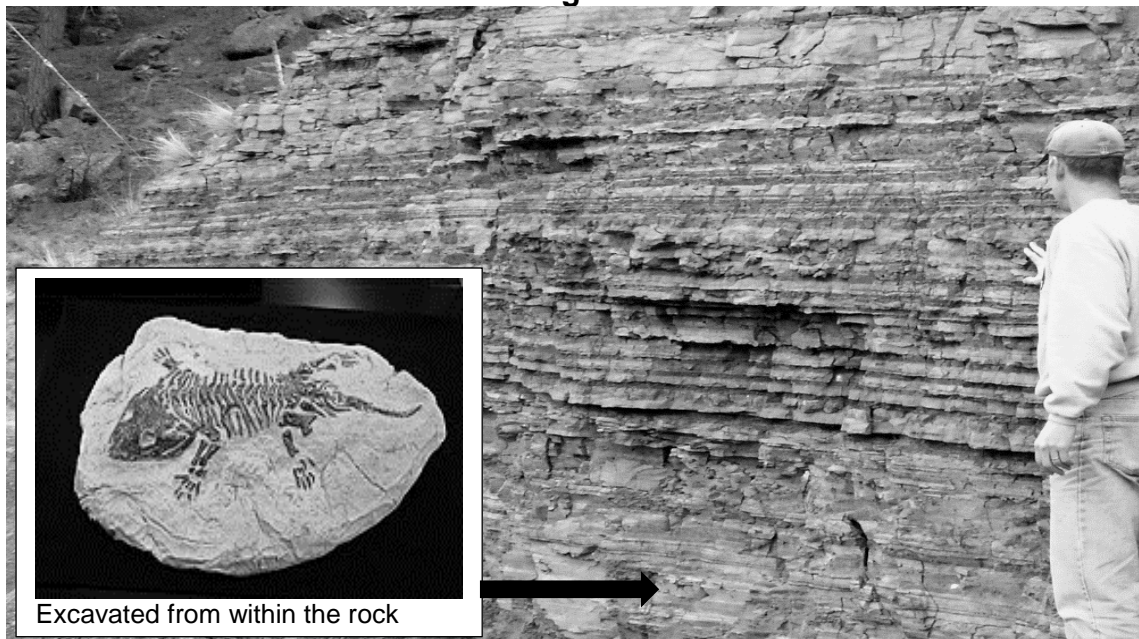


Source: <https://www.coastalreview.org/wp-content/uploads/2018/03/Barnes-property-NTB.png>

- (i) Study **Fig. 3** and identify the most appropriate site to locate wind turbines. [1]
- (ii) Use **Fig. 3** to explain why you have selected the site. [3]

4.(a) Figure 4 shows a type of rock.

**Fig. 4**



Source: <http://www.thenaturalhistorian.com>

- (i) Study **Fig. 4** and identify the type of rock. [1]
- (ii) Use **Fig. 4** to explain with evidence, your answer in (a)(i). [2]

(b) Figure 5 shows a rock that has been broken down.

**Fig. 5**

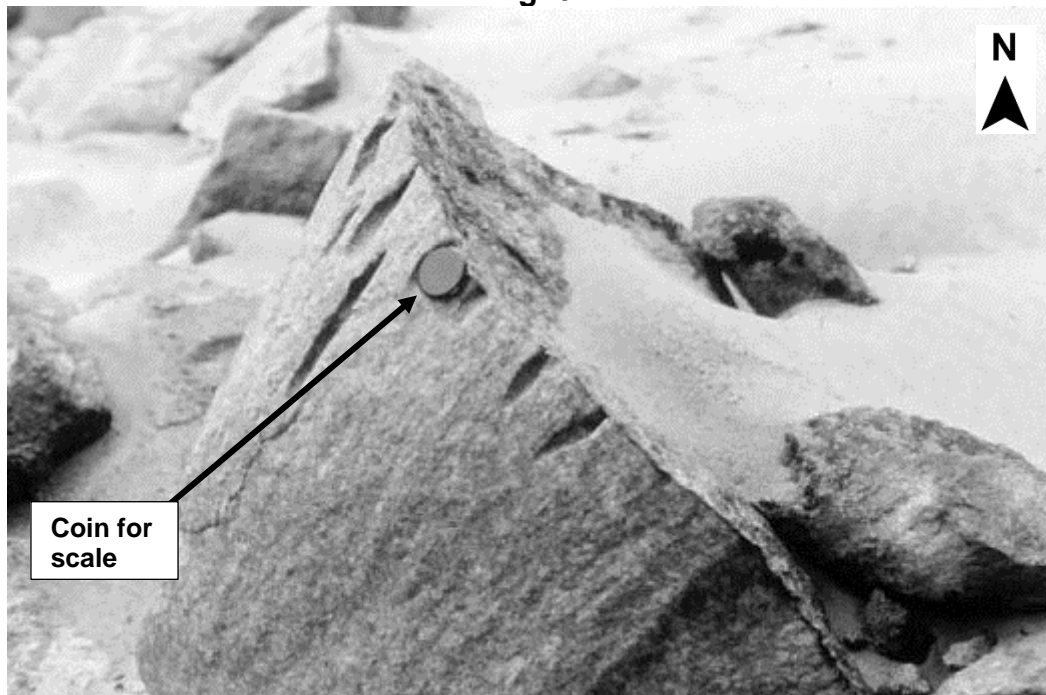


Source: [www.sciencephoto.com](http://www.sciencephoto.com)

- (i) Study **Fig. 5** and identify the weathering process that has broken down the rock into several fragments. [1]
  - (ii) Explain how this weathering process breaks down the rock into several fragments. [3]
- (c) Explain ONE difference between weathering and erosion. [1]

5.(a) Figure 6 shows a landform found in the Arid Tropics.

**Fig. 6**



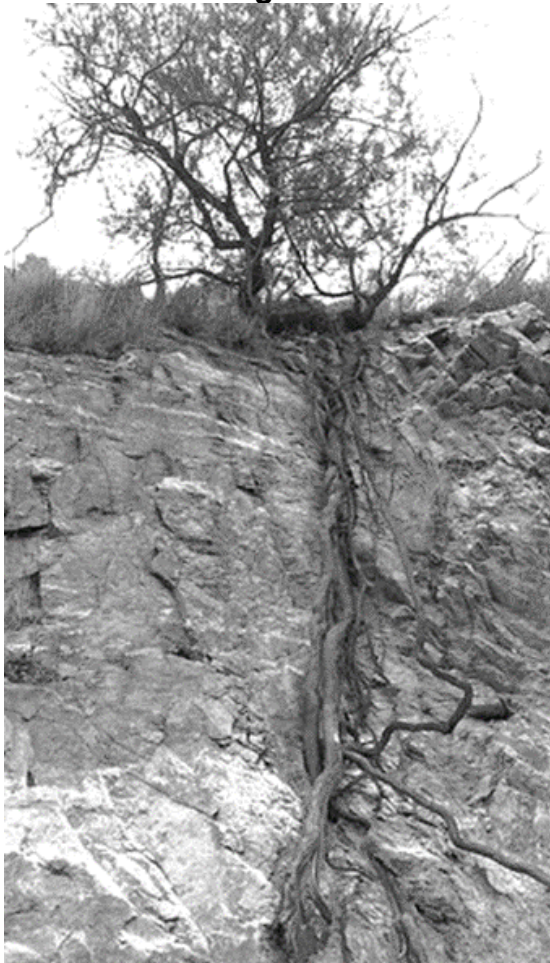
Source: <http://people.trentu.ca/>

- (i) Study **Fig. 6** and state the direction of the dominant wind. [1]
- (ii) How is this landform formed? [3]



- (b) Figure 7A shows the roots of a Mesquite tree in the Arid Tropics and Figure 7B shows the roots of a tropical rainforest tree.

**Fig. 7A**



**Fig. 7B**



Source: <http://www.tripadvisor.co.za> (Figure 7A) & <http://www.happybotanist.com> (Figure 7B)

- (i) Study **Fig. 7A** and **Fig. 7B** and describe the main differences [2]  
between the two root systems.
- (ii) Why are the two root systems different? [2]



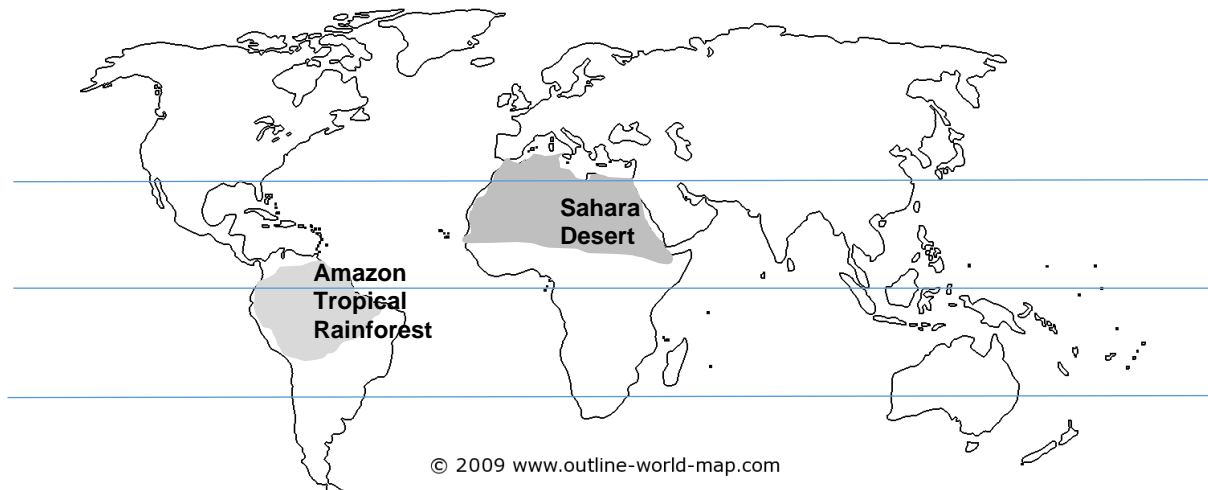
**SECTION C: (8 marks)**

**Open-response Question (8 marks)**

Answer the question on a new sheet of **Writing Paper**.

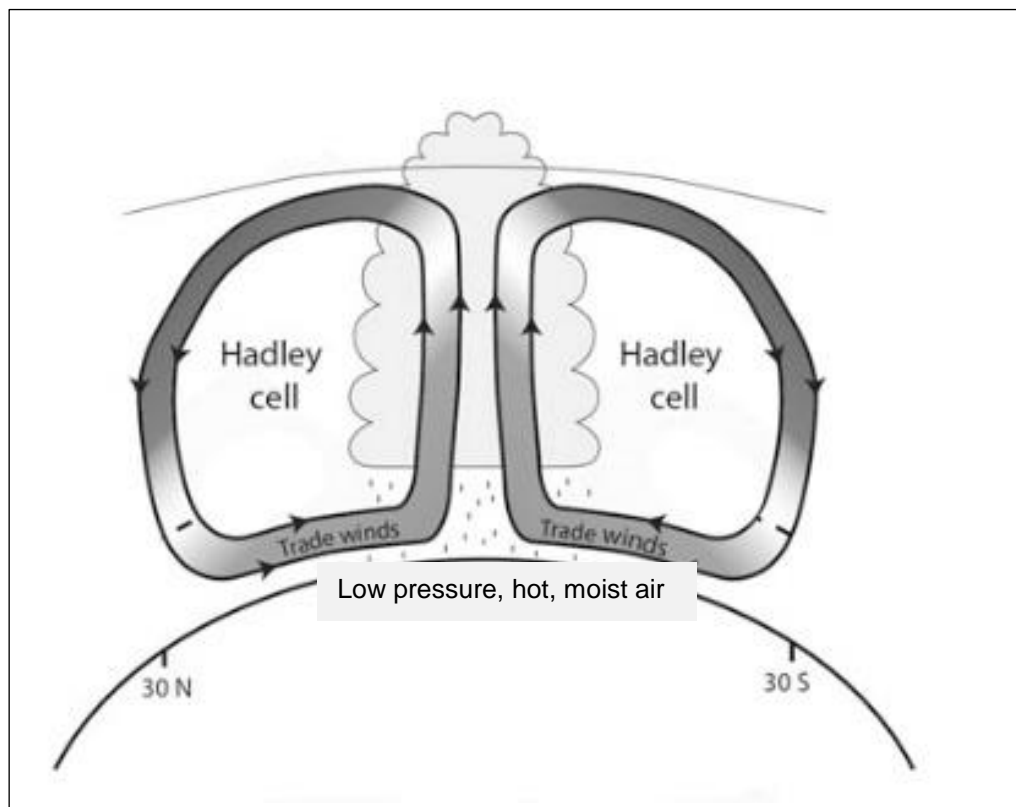
6. With reference to **Fig. 8A** and **Fig. 8B**, explain how the two environments, labelled the Amazon Rainforest and the Sahara Desert on the world map (**Fig. 8A**), are formed. [8]

**Fig. 8A**



**Fig. 8B**

Source: <http://www.researchgate.net>



### **Level of Response Rubrics for Open-Response Question**

	AO1 Knowledge/ Understanding	AO2 Application/Analysis	AO3 Expression
Level 1	No or little relevant knowledge and/or understanding , which is largely superficial or of marginal relevance; inappropriate case studies	Little attempt at application/analysis	Poor terminology, difficult to understand
Level 2	Relevant knowledge and understanding but with some omissions, case studies and examples well chosen	Some attempt at application; competent answer although not well-developed and tends to be descriptive	Acceptable terminology Some forms of organisation Can follow argument
Level 3	Accurate, specific and well detailed knowledge and good understanding; examples and case studies are well chosen and developed	Detailed application; well-developed answer that cover most or all aspects of question	Geographical terminology used appropriately Organised responses